



CORNICHE[®]

Corniche Silica Fume

Building Structures That Last a Lifetime



Innovative. Sustainable.
Trusted by Industry Leaders.

Innovative Concrete For The Modern World

Corniche Silica Fume is revolutionizing construction with high-performance additives that enhance concrete's strength, durability and resistance. Whether it's a skyscraper reaching for the clouds or a bridge enduring the elements, Corniche ensures every structure is built to last.

As a product of Kvalitet Resources LLP, Corniche benefits from decades of expertise and ISO-certified quality. Our silica fume strengthens concrete against sulfates, chlorides and weathering, enabling structures to stand resilient for generations.



CORNICHE-ENHANCED CONCRETE

WEATHERED CONCRETE

Why Choose Corniche Silica Fume?



UNMATCHED STRENGTH & DURABILITY

Protects against corrosive agents, ensuring decades of resilience.



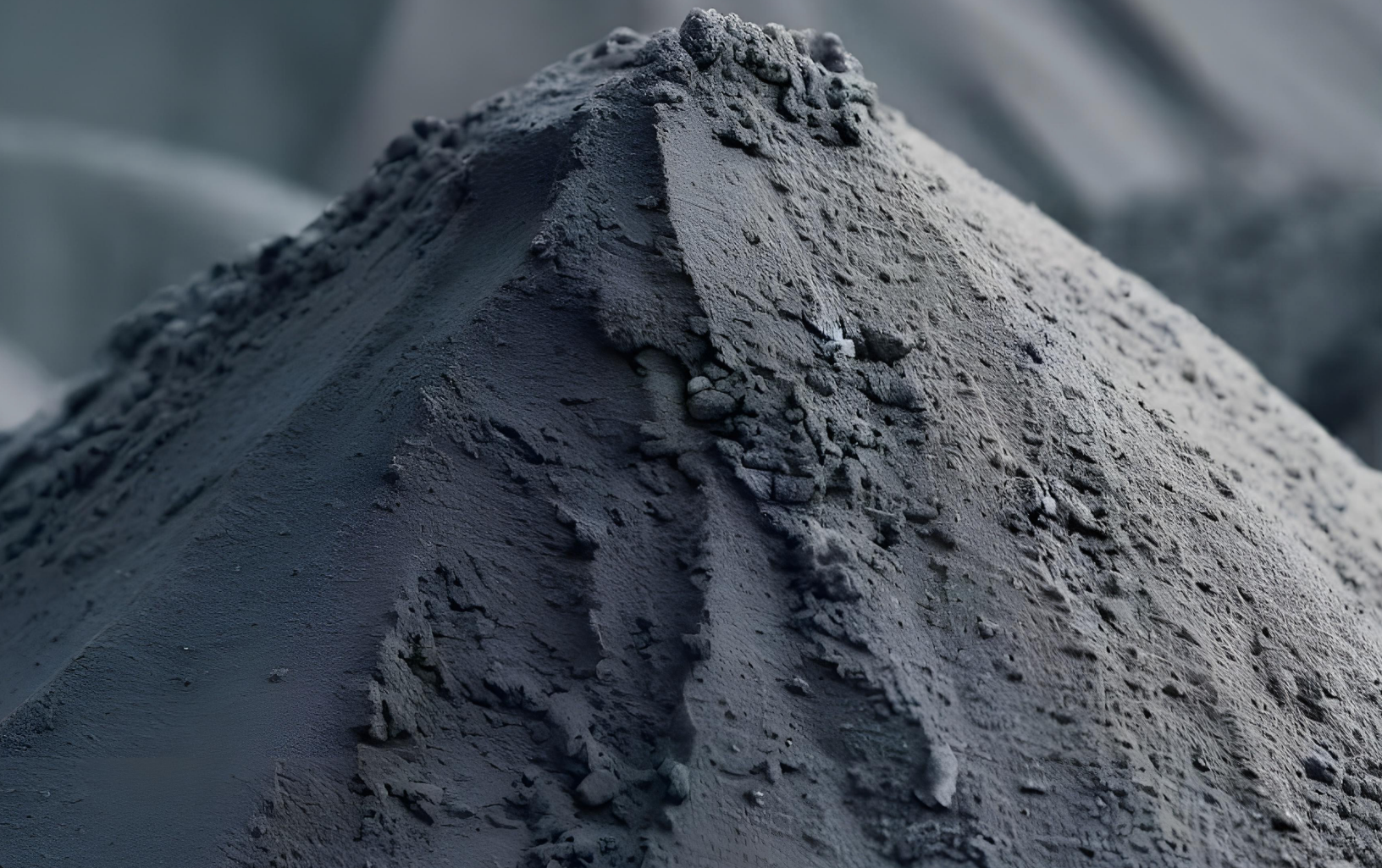
ECO-FRIENDLY MANUFACTURING

A sustainable by product process that reduces waste and emissions.



PROVEN TRACK RECORD

Trusted in iconic projects like Mumbai Ahmedabad Bullet Train project and PAN India metro rail projects.



An aerial, high-angle view of a modern city skyline. The most prominent feature is a tall, slender skyscraper with a pointed top, resembling the Freedom Tower. To its left, another tall building with a curved facade is visible. In the foreground, a complex highway interchange with multiple overpasses and ramps is shown. The city extends to the water's edge, with various buildings and infrastructure. The sky is bright blue with scattered white clouds. The overall color palette is dominated by blues and greys, with a yellow bar at the bottom.

Real-World Applications of Corniche Silica Fume.

- **High-Rise Buildings:** Enhanced fire resistance and seismic strength.
- **Bridges & Tunnels:** Superior corrosion and weathering protection.
- **Underwater Concrete:** Long-lasting durability against seawater erosion.
- **Infrastructure Projects:** Sustainable roads, dams and water facilities.

Precision In Every Particle

Key Specifications:

Parameter	ASTM C-1240	IS 15388	Corniche SF
SiO ₂ (%)	≥ 85	≥ 85	> 87
Loss on Ignition (%)	≤ 5	≤ 4	< 3.5
Moisture (%)	≤ 3	≤ 3	< 2
Bulk Density (kg/m ³)	550-700	550-700	570-650
Specific Surface Area (m ² /gm)	> 15	> 15	> 18
Acc Pozz Activity Index (%)	>110	>85	>115
Total Alkalies (Na ₂ O + K ₂ O as Na ₂ O equivalent) (%)		<1.5	<1.0

- **Specifications:**

High SiO₂ content, low moisture and bulk density, optimized for superior performance.

- **Packaging Options:**

25kg Bags

750kg/1000kg Jumbo Bags for bulk needs.

Also available in loose bulk supply transported in bulker for large size projects at selected locations.

- **Shelf Life:**

24 months under ideal storage conditions.



Corniche in ACTION

Mumbai-Ahemdabad Bullet Train project

Corniche's Silica Fume fortifies the underground tunnels and super-structures for the Mumbai-Ahmedabad Bullet Train, ensuring a robust and secure path for India's high-speed rail future.



CASE
STUDIES

Delhi Metro

Our premium Silica Fume bolsters the Delhi Metro Bridges, ensuring durability and strength for a modern reliable infrastructure.



Mumbai-Pune Expressway Missing Link

Our advanced Silica Fume enhances the strength and longevity of the Mumbai-Pune Missing Link Expressway Tunnel ensuring a safer and more durable connection.



TESTIMONIALS

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We have used Corniche microsilica in high strength concrete of grade M60 and above at various project sites. The micro silica is consistent in quality and performance is very good.

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LS Kannan

Advisor, concrete technology, L&T construction

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J. Kumar Infraprojects has successfully implemented Corniche Silica Fume-based concrete solutions in various challenging projects, including metro lines and bridges across India. The company has also utilized this technology in ultra high-performance concrete for defense projects, highlighting the versatility and durability of Corniche Fume.

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Yusuf Inamdar CEO

J. Kumar Defence and Aerospace Pvt Limited

“

Corniche Silica Fume is an innovative, high-performance concrete additive that enhances durability, strength and sustainability. Its versatility makes it suitable for various applications, from bridges and metros to defense projects. As a cost-effective and eco-conscious solution, Corniche Silica Fume is a reliable choice for modern construction, ensuring the longevity and quality of infrastructure.

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Ranjan Kumar Mishra

Project Controller / Afcons Infrastructure Ltd.
Mumbai Pune Expressway missing link project.

“ Let’s Build The Future Together. ”

FEW OF OUR ESTEEM CLIENTS



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Warehouses : Pan India



www.corniche.in